Section A-VI/4

Mandatory minimum requirements related to medical first aid and medical care

Standard of competence for seafarers designated to provide medical first aid on board ship

- 1 Every seafarer who is designated to provide medical first aid on board ship shall be required to demonstrate the competence to undertake the tasks, duties and responsibilities listed in column 1 of table A-VI/4-1.
- The level of knowledge of the subjects listed in column 2 of table A-VI/4-1 shall be sufficient to enable the designated seafarer to take immediate effective action in the case of accidents or illness likely to occur on board ship.
- Every candidate for certification under the provisions of regulation VI/4, paragraph 1 shall be required to provide evidence that the required standard of competence has been achieved in accordance with the methods for demonstrating competence and the criteria for evaluating competence tabulated in columns 3 and 4 of table A-VI/4-1.

Standard of competence for seafarers designated to take charge of medical care on board ship

- Every seafarer who is designated to take charge of medical care on board ship shall be required to demonstrate the competence to undertake the tasks, duties and responsibilities listed in column 1 of table A-VI/4-2.
- 5 The level of knowledge of the subjects listed in column 2 of table A-VI/4-2 shall be sufficient to enable the designated seafarer to take immediate effective action in the case of accidents or illness likely to occur on board ship.
- Every candidate for certification under the provisions of regulation VI/4, paragraph 2 shall be required to provide evidence that the required standard of competence has been achieved in accordance with the methods for demonstrating competence and the criteria for evaluating competence tabulated in columns 3 and 4 of table A-VI/4-2.

Table A-VI/4-1

Specification of minimum standard of proficiency in medical first aid

Column	Column 2	Column 3	Colums 4
COMPETENCE	KNOWLEDGE, UNDERSTANDING AND PROFICIENCY	METHODS FOR DEMONSTRATING COMPETENCE	CRITERIA FOR EVALUATING COMPETENCE
Apply immediate first aid in the event of accident or illness on board	First aid kit Body structure and function	Assessment of evidence obtained from practical instruction	The identification of probable cause, nature and extent of injuries is prompt, complete and conforms to current first aid practice
	Toxicological hazards on board, including use of the Medical First Aid Guide for Use in Accidents Involving Dangerous Goods (MFAG) or its national equivalent		Risk of harm to self and others is minimized at all times Treatment of injuries and the patients condition
	Examination of casualty or patient	,	is appropriate, continues to technical managed practice and international guidelines
	Spinal injuries		
	Burns, scalds and effects of cold fractures, dislocations and muscular injuries		
	Medical care of rescued persons		
	Radio-medical advice		-
	Pharmacology		
=	Sterilisation		
	Cardiac arrest, drowning and asphyxia		

Table A-VI/4-1 Page 1 of 1 page

Table A-VU4-2

Specification of minimum standard of proficiency for persons in charge of medical care on board ship

11	_			_		_			_				===	===			—
	Column 4	CRITERIA FOR EVALUATING COMPETENCE	Identification of symptoms is based on the concepts of clinical examination and medical	history	Protection against infection and spread of diseases is complete and effective	Personal attitude is calm, confident and	reassuring	Treatment of injury or condition is appropriate and conforms to accepted medical practice and relevant national and international medical	guides	The dosage and application of drugs and medication complies with manufacturers	recommendations and accepted medical practice	The significance of changes in patients condition is promptly recognized					
	Column 3	METHODS FOR DEMONSTRATING COMPETENCE	Assessment of evidence obtained from practical instruction and demonstration	NAT.	where practicable, approved practical experience at a hospital or similar establishment												
	Column 2	KNOWLEDGE, UNDERSTANDING AND PROFICENCY	Cure of casually involving:	. I head and spinal injuries	.2 injuries of ear, nose, throat and eyes	.3 external and internal bleeding	.4 burns, scalds and frostbite	.5 fractures, dislocations and muscular injuries	.6 wounds, wound healing and infection	.7 pain relicf	.8 techniques of sewing and clamping	.9 management of scute abdominal conditions	.10 minor surgical treatment	.11 dressing and bandaging	Aspects of nursing:	. l general principles	2 nursing care
	Column I	COMPETENCE		ster and injured winte diey remain on board											<u> </u>	<u> </u>	

Table A-VI/4-2 Page 1 of 3 pages

COMPETENCE	KNOWLEDGE, UNDERSTANDING AND PROFICIENCY	METHODS FOR DEMONSTRATING COMPETENCE	CRITERIA FOR EVALUATING COMPETENCE
Provide medical care to the	Diseases, including:		
remain on board (continued)	. 1 medical conditions and emergencies		
	2 sexually transmitted diseases		
	.3 tropical and infectious diseases		
	Alcohol and drug abuse		·
	Dental care		
	Gynaecology, pregnancy and childbirth		
	Medical care of rescued persons		
	Death at sea		
,	Hygiene		
· -	Disease prevention including:		
	l disinfection, disinfestation, de-ratting		
	2 vaccinations		
	Keeping records and copies of applicable regulations:		
	.1 keeping medical records		
	. 2 international and national maritime medical regulations		

Table A-VI/4-2 Page 2 of 3 pages

COMPETENCE	KNOWLEDGE, UNDERSTANDING AND PROFICIENCY	METHODS FOR DEMONSTRATING COMPETENCE	CRITERIA FOR EVALUATING COMPETENCE
Participate in co-ordinated	External assistance, including:		Clinical examination procedures are complete and comply with instructions received
assistance to ships	.1 radio-medical advice	,	The method and preparation for evacuation is in
	.2 transportation of the ill and injured, including helicopter evacuation		secordance with recognized procedures and is designed to maximize the welfare of the patient
	.3 medical care of sick seafarers involving co-operation with port health authorities or outpatient wards in port		Procedures for seeking radio-medical advice conform to established practice and recommendations

Table A-VI/4-2 Page 3 of 3 pages

CHAPTER VII

STANDARDS REGARDING ALTERNATIVE CERTIFICATION

Section A-VII/1

Issue of alternative certificates

- Every candidate for certification at the operational level under the provisions of chapter VII of the Annex to the Convention shall be required to complete relevant education and training and meet the standard of competence for all the functions prescribed in either table A-III/1 or table A-III/1. Functions specified in tables A-III/1 or A-III/1 respectively may be added provided the candidate completes, as appropriate, additional relevant education and training and meets the standards of competence prescribed in those tables for the functions concerned.
- Every candidate for certification at the management level as the person having command of a ship of 500 gross tonnage or more, or the person upon whom the command of such a ship will fall in the event of the incapacity of the person in command, shall be required in addition to compliance with the standard of competence specified in table A-II/1 to complete relevant education and training and meet the standards of competence for all of the functions prescribed in table A-II/2. Functions specified in the tables of chapter III of this part may be added provided the candidate completes, as appropriate, additional relevant education and training and meets the standards of competence prescribed in those tables for the functions concerned.
- Every candidate for certification at the management level as the person responsible for the mechanical propulsion of a ship powered by main propulsion machinery of 750 kW or more, or the person upon whom such responsibility will fall in the event of the incapacity of the person responsible for the mechanical propulsion of the ship, shall be required, in addition to compliance with the standard of competence specified in table A-III/1, to complete relevant education and training and meet the standards of competence for all of the functions prescribed in table A-III/2, as appropriate. Functions specified in the tables of chapter II of this part may be added provided the candidate completes, as appropriate, additional relevant education and training and meets the standards of competence prescribed in those tables for the functions concerned.
- Every candidate for certification at the support level in navigation or marine engineering shall comply with the standard of competence prescribed in table A-II/4 or A-III/4 of this part, as appropriate.

Section A-VII/2

Certification of seafarers

In accordance with the requirements of regulation VII/1, paragraph 1.3, every candidate for certification under the provisions of chapter VII at operational level in functions specified in tables A-II/1 or A-III/1 shall:

- .1 have approved seagoing service of not less than one year, which service shall include a period of at least six months performing engine-room duties under the supervision of a qualified engineer officer and, where the function of navigation is required, a period of at least six months performing bridge watchkeeping duties under the supervision of a qualified bridge watchkeeping officer; and
- 2 have completed, during this service, on-board training programmes approved as meeting the relevant requirements of sections A-II/1 and A-III/1 and documented in an approved training record book.
- 2 Every candidate for certification under the provisions of chapter VII at the management level in a combination of functions specified in tables A-II/2 and A-III/2, shall have approved seagoing service related to the functions to be shown in the endorsement to the certificate as follows:
 - of a ship 12 months performing duties at the operational level related to regulation III/2 or III/3 as appropriate and, where the function of navigation at the management level is required, at least 12 months performing bridge watchkeeping duties at the operational level,
 - for those having command or the responsibility for the mechanical propulsion of a ship not less than 48 months including the provisions in paragraph 2.1 of this section performing, as a certificated officer, duties related to the functions to be shown in the endorsement to the certificate, of which 24 months shall be served performing functions set out in table A-III/1 and 24 months shall be served performing functions set out in tables A-III/1.

Section A-VII/3

Principles governing the issue of alternative certificates

(No provisions)

CHAPTER VIII

STANDARDS REGARDING WATCHKEEPING

Section A-VIII/1

Fitness for duty

- 1 All persons who are assigned duty as officer in charge of a watch or as a rating forming part of a watch shall be provided a minimum of 10 hours of rest in any 24-hour period.
- The hours of rest may be divided into no more than two periods, one of which shall be at least 6 hours in length.
- The requirements for rest periods laid down in paragraphs 1 and 2 need not be maintained in the case of an emergency or drill or in other overriding operational conditions.
- Notwithstanding the provisions of paragraphs 1 and 2, the minimum period of ten hours may be reduced to not less than 6 consecutive hours provided that any such reduction shall not extend beyond two days and not less than 70 hours of rest are provided each seven day period.
- 5 Administrations shall require that watch schedules be posted where they are easily accessible.

Section A - VIII/2

Watchkeeping arrangements and principles to be observed

PART 1 - CERTIFICATION

- 1 The officer in charge of the navigational or deck watch shall be duly qualified in accordance with the provisions of chapter II, or chapter VII appropriate to the duties related to navigational or deck watchkeeping.
- The officer in charge of the engineering watch shall be duly qualified in accordance with the provisions of chapter III, or chapter VII appropriate to the duties related to engineering watchkeeping.

PART 2 - VOYAGE PLANNING

General requirements

- 3 The intended voyage shall be planned in advance taking into consideration all pertinent information and any course laid down shall be checked before the voyage commences.
- The chief engineer officer shall, in consultation with the master, determine in advance the needs of the intended voyage, taking into consideration the requirements for fuel, water, lubricants, chemicals, expendable and other spare parts, tools, supplies and any other requirements.

Planning prior to each voyage

Prior to each voyage the master of every ship shall ensure that the intended route from the port of departure to the first port of call is planned using adequate and appropriate charts and other nautical publications necessary for the intended voyage, containing accurate, complete and up-to-date information regarding those navigational limitations and hazards which are of a permanent or predictable nature, and which are relevant to the safe navigation of the ship.

Verification and display of planned route

When the route planning is verified taking into consideration all pertinent information, the planned route shall be clearly displayed on appropriate charts, and shall be continuously available to the officer in charge of the watch who shall verify each course to be followed prior to using it during the voyage.

Deviation from planned route

If a decision is made, during a voyage, to change the next port of call of the planned route, or if it is necessary for the ship to deviate substantially from the planned route for other reasons, then an amended route shall be planned prior to deviating substantially from the route originally planned.

PART 3 - WATCHKEEPING AT SEA

Principles applying to watchkeeping generally

- Parties shall direct the attention of companies, masters, chief engineer officers and watchkeeping personnel to the following principles which shall be observed to ensure that safe watches are maintained at all times.
- 9 The master of every ship is bound to ensure that watchkeeping arrangements are adequate for maintaining a safe navigational watch. Under the master's general direction, the officers of the navigational watch are responsible for navigating the ship safely during their periods of duty, when they will be particularly concerned with avoiding collision and stranding.
- 10 The chief engineer officer of every ship is bound, in consultation with the master, to ensure that watchkeeping arrangements are adequate to maintain a safe engineering watch.

Protection of marine environment

11 The master, officers and ratings shall be aware of the serious effects of operational or accidental pollution of the marine environment and shall take all possible precautions to prevent such pollution, particularly within the framework of relevant international and port regulations.

PART 3-1 - PRINCIPLES TO BE OBSERVED IN KEEPING A NAVIGATIONAL WATCH

12 The officer in charge of the navigational watch is the master's representative and is primarily responsible at all times for the safe navigation of the ship and for complying with the International Regulations for Preventing Collisions at Sea, 1972.

Look-out

- A proper look-out shall be maintained at all times in compliance with rule 5 of the International Regulations for Preventing Collisions at Sea, 1972 and shall serve the purpose of:
 - .1 maintaining a continuous state of vigilance by sight and hearing as well as by all other available means, with regard to any significant change in the operating environment;
 - 2 fully appraising the situation and the risk of collision, stranding and other dangers to navigation, and
 - .3 detecting ships or aircraft in distress, shipwrecked persons, wrecks, debris and other hazards to safe navigation.
- The look-out must be able to give full attention to the keeping of a proper look-out and no other duties shall be undertaken or assigned which could interfere with that task.
- The duties of the look-out and helmsperson are separate and the helmsperson shall not be considered to be the look-out while steering, except in small ships where an unobstructed all-round view is provided at the steering position and there is no impairment of night vision or other impediment to the keeping of a proper look-out. The officer in charge of the navigational watch may be the sole look-out in daylight provided that on each such occasion:
 - the situation has been carefully assessed and it has been established without doubt that it is safe to do so;
 - .2 full account has been taken of all relevant factors including, but not limited to:
 - state of weather,
 - visibility,
 - traffic density,
 - proximity of dangers to navigation, and
 - the attention necessary when navigating in or near traffic separation schemes; and
 - .3 assistance is immediately available to be summoned to the bridge when any change in the situation so requires.

- In determining that the composition of the navigational watch is adequate to ensure that a proper look-out can continuously be maintained, the master shall take into account all relevant factors, including those described in this section of the Code, as well as the following factors:
 - .1 visibility, state of weather and sea;
 - 2 traffic density, and other activities occurring in the area in which the vessel is navigating:
 - .3 the attention necessary when navigating in or near traffic separation schemes or other routeing measures;
 - .4 the additional workload caused by the nature of the ship's functions, immediate operating requirements and anticipated manoeuvres;
 - .5 the fitness for duty of any crew members on call who are assigned as members of the watch;
 - .6 knowledge of and confidence in the professional competence of the ship's officers and crew;
 - .7 the experience of each officer of the navigational watch, and the familiarity of that officer with the ship's equipment, procedures, and manoeuvring capability;
 - activities taking place on board the ship at any particular time, including radiocommunication activities and the availability of assistance to be summoned immediately to the bridge when necessary;
 - .9 the operational status of bridge instrumentation and controls, including alarm systems;
 - .10 rudder and propeller control and ship manoeuvring characteristics;
 - .11 the size of the ship and the field of vision available from the conning position;
 - the configuration of the bridge, to the extent such configuration might inhibit a member of the watch from detecting by sight or hearing any external development; and
 - any other relevant standard, procedure or guidance relating to watchkeeping arrangement: and fitness for duty which has been adopted by the Organization.

Watch arrangements

- When deciding the composition of the watch on the bridge, which may include appropriatel qualified ratings, the following factors, inter alia, shall be taken into account:
 - 1 at no time shall the bridge be left unattended;

- .2 weather conditions, visibility and whether there is daylight or darkness;
- .3 proximity of navigational hazards which may make it necessary for the officer in charge of the watch to carry out additional navigational duties;
- .4 use and operational condition of navigational aids such as radar or electronic position-indicating devices and any other equipment affecting the safe navigation of the ship;
- .5 whether the ship is fitted with automatic steering;
- .6 whether there are radio duties to be performed;
- .7 unmanned machinery space (UMS) controls, alarms and indicators provided on the bridge, procedures for their use and limitations; and
- .8 any unusual demands on the navigational watch that may arise as a result of special operational circumstances.

Taking over the watch

- 18 The officer in charge of the navigational watch shall not hand over the watch to the relieving officer if there is reason to believe that the latter is not capable of carrying out the watchkeeping duties effectively, in which case the master shall be notified.
- The relieving officer shall ensure that the members of the relieving watch are fully capable of performing their duties, particularly as regards their adjustment to night vision. Relieving officers shall not take over the watch until their vision is fully adjusted to the light conditions.
- 20 Prior to taking over the watch relieving officers shall satisfy themselves as to the ship's estimated or true position and confirm its intended track, course and speed, and UMS controls as appropriate and shall note any dangers to navigation expected to be encountered during their watch.
- 21 Relieving officers shall personally satisfy themselves regarding the:
 - .1 standing orders and other special instructions of the master relating to navigation of the ship;
 - .2 position, course, speed and draught of the ship;
 - prevailing and predicted tides, currents, weather, visibility and the effect of these factors upon course and speed;
 - .4 procedures for the use of main engines to manoeuvre when the main engines are on bridge control; and
 - .5 navigational situation, including but not limited to:

- .5.1 the operational condition of all navigational and safety equipment being used or likely to be used during the watch,
- .5.2 the errors of gyro and magnetic compasses.
- .5.3 the presence and movement of ships in sight or known to be in the vicinity,
- .5.4 the conditions and hazards likely to be encountered during the watch, and
- .5.5 the possible effects of heel, trim, water density and squat on under keel clearance.
- 22 If at any time the officer in charge of the navigational watch is to be relieved when a manoeuvre or other action to avoid any hazard is taking place, the relief of that officer shall be deferred until such action has been completed.

Performing the navigational watch

- 23 The officer in charge of the navigational watch shall:
 - .1 keep the watch on the bridge;
 - .2 in no circumstances leave the bridge until properly relieved;
 - .3 continue to be responsible for the safe navigation of the ship, despite the presence of the master on the bridge, until informed specifically that the master has assumed that responsibility and this is mutually understood; and
 - .4 notify the master when in any doubt as to what action to take in the interest of safety.
- During the watch the course steered, position and speed shall be checked at sufficiently frequent intervals, using any available navigational aids necessary, to ensure that the ship follows the planned course.
- 25 The officer in charge of the navigational watch shall have full knowledge of the location and operation of all safety and navigational equipment on board the ship and shall be aware and take account of the operating limitations of such equipment.
- The officer in charge of the navigational watch shall not be assigned or undertake any duties which would interfere with the safe navigation of the ship.
- Officers of the navigational watch shall make the most effective use of all navigational equipment at their disposal.
- When using radar, the officer in charge of the navigational watch shall bear in mind the necessity to comply at all times with the provisions on the use of radar contained in the International Regulations for Preventing Collisions at Sea, in force.

- In cases of need the officer in charge of the navigational watch shall not hesitate to use the helm, engines and sound signalling apparatus. However, timely notice of intended variations of engine speed shall be given where possible or effective use made of UMS engine controls provided on the bridge in accordance with the applicable procedures.
- Officers of the navigational watch shall know the handling characteristics of their ship, including its stopping distances, and should appreciate that other ships may have different handling characteristics.
- 31 A proper record shall be kept during the watch of the movements and activities relating to the navigation of the ship.
- It is of special importance that at all times the officer in charge of the navigational watch ensures that a proper look-out is maintained. In a ship with a separate chart room the officer in charge of the navigational watch may visit the chart room, when essential, for a short period for the necessary performance of navigational duties, but shall first ensure that it is safe to do so and that proper look-out is maintained.
- Operational tests of shipboard navigational equipment shall be carried out at sea as frequently as practicable and as circumstances permit, in particular before hazardous conditions affecting navigation are expected. Whenever appropriate, these tests shall be recorded. Such tests shall also be carried out prior to port arrival and departure.
- 34 The officer in charge of the navigational watch shall make regular checks to ensure that:
 - .1 the person steering the ship or the automatic pilot is steering the correct course;
 - .2 the standard compass error is determined at least once a watch and, when possible, after any major alteration of course; the standard and gyro-compasses are frequently compared and repeaters are synchronized with their master compass;
 - .3 the automatic pilot is tested manually at least once a watch;
 - .4 the navigation and signal lights and other navigational equipment are functioning properly;
 - .5 the radio equipment is functioning properly in accordance with paragraph 86 of this section;
 - .6 the UMS controls, alarms and indicators are functioning properly.
- The officer in charge of the navigational watch shall bear in mind the necessity to comply at all times with the requirements in force of the International Convention for the Safety of Life at Sea, (SOLAS) 1974. The officer of the navigational watch shall take into account:
 - the need to station a person to steer the ship and to put the steering into manual control in good time to allow any potentially hazardous situation to be dealt with in a safe manner; and
 - that with a ship under automatic steering it is highly dangerous to allow a situation to develop to the point where the officer in charge of the navigational watch is without assistance and has to break the continuity of the look-out in order to take emergency action.

- Officers of the navigational watch shall be thoroughly familiar with the use of all electronic navigational aids carried, including their capabilities and limitations, and shall use each of these aids when appropriate and shall bear in mind that the echo-sounder is a valuable navigational aid.
- The officer in charge of the navigational watch shall use the radar whenever restricted visibility is encountered or expected, and at all times in congested waters having due regard to its limitations.
- The officer in charge of the navigational watch shall ensure that range scales employed are changed at sufficiently frequent intervals so that echoes are detected as early as possible. It shall be borne in mind that small or poor echoes may escape detection.
- Whenever radar is in use, the officer in charge of the navigational watch shall select an appropriate range scale and observe the display carefully, and shall ensure that plotting or systematic analysis is commenced in ample time.
- The officer in charge of the navigational watch shall notify the master immediately:
 - .1 if restricted visibility is encountered or expected;
 - .2 if the traffic conditions or the movements of other ships are causing concern;
 - .3 if difficulty is experienced in maintaining course;
 - .4 on failure to sight land, a navigation mark or to obtain soundings by the expected time,
 - if, unexpectedly, land or a navigation mark is sighted or a change in soundings occurs;
 - .6 on breakdown of the engines, propulsion machinery remote control, steering gear or any essential navigational equipment, alarm or indicator;
 - .7 if the radio equipment malfunctions;
 - in heavy weather, if in any doubt about the possibility of weather damage;
 - 9 if the ship meets any hazard to navigation, such as ice or a derelict; and
 - .10 in any other emergency or if in any doubt.
- Despite the requirement to notify the master immediately in the foregoing circumstances, the officer in charge of the navigational watch shall in addition not hesitate to take immediate action for the safety of the ship, where circumstances so require.
 - The officer in charge of the navigational watch shall give watchkeeping personnel all appropriate instructions and information which will ensure the keeping of a safe watch, including a proper look-out.

Watchkeeping under different conditions and in different areas

Clear weather

- The officer in charge of the navigational watch shall take frequent and accurate compass bearings of approaching ships as a means of early detection of risk of collision and bear in mind that such risk may sometimes exist even when an appreciable bearing change is evident, particularly when approaching a very large ship or a tow or when approaching a ship at close range. The officer in charge of the navigational watch shall also take early and positive action in compliance with the applicable International Regulations for Preventing Collisions at Sea, 1972 and subsequently check that such action is having the desired effect.
- 44 In clear weather, whenever possible, the officer in charge of the navigational watch shall carry out radar practice.

Restricted visibility

- When restricted visibility is encountered or expected, the first responsibility of the officer in charge of the navigational watch is to comply with the relevant rules of the International Regulations for Preventing Collisions at Sea, 1972 with particular regard to the sounding of fog signals, proceeding at a safe speed and having the engines ready for immediate manoeuvre. In addition, the officer in charge of the navigational watch shall:
 - .1 inform the master;
 - .2 post a proper look-out;
 - .3 exhibit navigation lights; and
 - .4 operate and use the radar.

In hours of darkness

The master and the officer in charge of the navigational watch when arranging look-out duty shall have due regard to the bridge equipment and navigational aids available for use, their limitations; procedures and safeguards implemented.

Coastal and congested waters

- 47 The largest scale chart on board, suitable for the area and corrected with the latest available information, shall be used. Fixes shall be taken at frequent intervals, and shall be carried out by more than one method whenever circumstances allow.
- 48 The officer in charge of the navigational watch shall positively identify all relevant navigation marks.

Navigation with pilot on board

Despite the duties and obligations of pilots, their presence on board does not relieve the master or officer in charge of the navigational watch from their duties and obligations for the safety of the ship. The master and the pilot shall exchange information regarding navigation procedures, local conditions and the ship's characteristics. The master and/or the officer in charge of the navigational watch shall co-operate closely with the pilot and maintain an accurate check on the ship's position and movement.

If in any doubt as to the pilot's actions or intentions, the officer in charge of the navigational watch shall seek clarification from the pilot and, if doubt still exists, shall notify the master immediately and take whatever action is necessary before the master arrives.

Ship at anchor

- If the master considers it necessary, a continuous navigational watch shall be maintained at anchor. While at anchor, the officer in charge of the navigational watch shall:
 - .1 determine and plot the ship's position on the appropriate chart as soon as practicable;
 - .2 when circumstances permit, check at sufficiently frequent intervals whether the ship is remaining securely at anchor by taking bearings of fixed navigation marks or readily identifiable shore objects;
 - .3 ensure that proper look-out is maintained;
 - .4 ensure that inspection rounds of the ship are made periodically;
 - .5 observe meteorological and tidal conditions and the state of the sea;
 - .6 notify the master and undertake all necessary measures if the ship drags anchor;
 - .7 ensure that the state of readiness of the main engines and other machinery is in accordance with the master's instructions;
 - .8 if visibility deteriorates, notify the master;
 - .9 ensure that the ship exhibits the appropriate lights and shapes and that appropriate sound signals are made in accordance with all applicable regulations; and
 - .10 take measures to protect the environment from pollution by the ship and comply with applicable pollution regulations.